

RJM EC 102F1

Polycarbonate
RJM International, Inc.

Message:

RJM EC 102F1 is a Polycarbonate (PC) product filled with 8.0% carbon fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Additive/Masterbatch.

Characteristics include:

Flame Rated
Conductive

General Information			
Filler / Reinforcement	Carbon Fiber,8.0% Filler by Weight		
Features	Electrically Conductive		
Uses	Compounding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	98.1	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	5390	MPa	ASTM D790
Flexural Strength	142	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	140	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+5 to 1.0E+7	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	270 to 310	°C	
Mold Temperature	120	°C	

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Recommended distributors for this material

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